



Transportation Packaging Quick Facts

National Transportation Program



Cask: NAC-LWT

Manufacturer: NAC International

Certification: Certified for domestic and international use; Certification USA/9225/B(U)F-85 (expires 2005)

General Description:

Packaging Type: B

Gross Weight: 51,200 pounds (23,224 kilograms) maximum load

Capacity: 4,000 pounds (1,814 kilograms) maximum

Overall Dimensions: Length 199.8 inches (507.5 centimeters), Diameter 44 inches (111.8 centimeters)

Cavity Size: Length 181 inches (459.7 centimeters), Diameter 13.4 inches (34 centimeters)

Mode of Transport: Truck/Rail/Marine

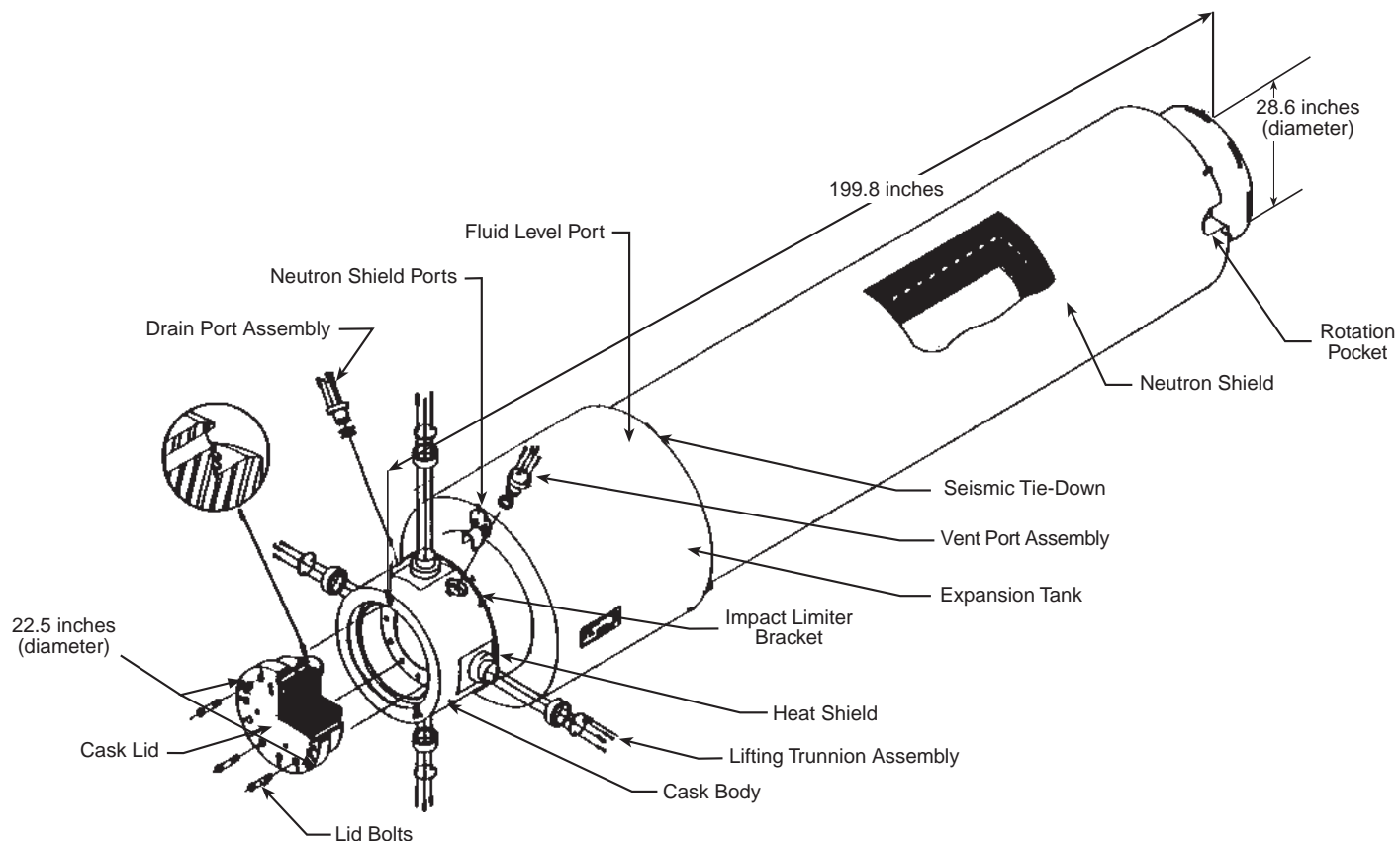
Use: The NAC-LWT is a steel-encased, lead-shielded Legal Weight Truck transportation cask. The cask body consists of a 0.7-inch- (2-centimeter-) thick stainless steel inner shell, a 5.7-inch- (14.5-centimeter-) thick gamma shield, a 1.2-inch- (3-centimeter-) thick stainless steel outer shell, and neutron shield tank. The NAC-LWT currently is authorized to transport several types of spent nuclear fuel, including 1 pressurized water reactor assembly, 2 boiling water reactor assemblies, up to 15 metallic fuel rods, 42 parallel plate material test reactor (MTR) fuel assemblies, or 140 Training, Research, and Isotope Reactors (built by General Atomics) (TRIGA) rods. It has a design heat rejection of 2.5 kilowatts. Eight NAC-LWT casks are available for use.

Frequency of Use: Use varies widely within the United States and abroad.

Loading Process: Wet immersion or dry, using the NAC Dry Transfer System

Owner: NAC International





NAC-LWT Shipping Cask

Additional information on DOE's National Transportation Program may be obtained from:

National Transportation Program
U.S. Department of Energy
Albuquerque Operations Office
P.O. Box 5400, MS SC-5
Albuquerque, NM 87185-5400

Phone : 505-845-6134
Fax: 505-845-5508

Website:
<http://www.ntp.doe.gov/>

DOE Center for Environmental
Management Information
P.O. Box 23769
Washington, DC 20026-3769

1-800-7EM-DATA
1-800-736-3282

Website:
<http://www.em.doe.gov/>

Transportation Resource Exchange Center
ATR Institute
University of New Mexico
1001 University Blvd., SE
Albuquerque, NM 87106-4342

Phone : 1-877-287-TREX (8739)
Fax: 505-246-6001
email: trex@unm.edu

Website:
<http://www.trex-center.org/>